

Technical Data Sheet

	Standard	Unit	Value (Cork Inspire 700 HRT)
Dimension (LxWxT)	-	mm	1225x190x7
Mass per unit	-	Kgs / m ²	6,53
Packaging (box / pallet)	-	M2	1,862 / 81,928
Level of use Domestic	ISO 10874	Class	23
Level of use Commercial	ISO 10874	Class	33

General properties - EN 16511

Thickness	ISO 24337	$\Delta_{avg} \leq 0,50$ mm, relative to nominal value / $t_{max} - t_{min} \leq 0,50$ mm*	Complies
Length	ISO 24337	≤ 1500 mm: $\Delta l \leq 0,5$ mm / > 1500 mm: $\Delta l \leq 0,3$ mm/m	Complies
Width	ISO 24337	$\Delta w_{avg} \leq 0,10$ mm, relative to nominal value / $w_{max} - w_{min} \leq 0,20$ mm	Complies
Squareness	ISO 24337	$max \leq 0,20$ mm	Complies
Straightness	ISO 24337	$max \leq 0,30$ mm/m	Complies
Openings	ISO 24337	$max \leq 0,20$ mm	Complies
Height difference	ISO 24337	$h_{max} \leq 0,15$ mm	Complies
Flatness of the panel (Length - concave / convex)	ISO 24337	concave $\leq 0,50$ %, / convex $\leq 1,0$ %	Complies
Flatness of the panel (Width - concave / convex)	ISO 24337	concave $\leq 0,15$ %, / convex $\leq 0,20$ %	Complies

Classification properties - EN 16511

Wear resistance IP	EN 15468, procedure B	≥ 5000 cycles	Complies
Impact resistance [mm] (big ball)	EN 13329:2006+A1:2008, Annex F	≥ 1600 mm	Complies
Castor chair resistance	EN 425	25 000 cycles	Complies
Resistance to staining	EN 438-2	"Groups 1 and 2: grade 5	Complies
Residual indentation	EN ISO 24343-1	Group 3: grade 4"	Complies
Swelling	ISO 24336	$\leq 0,2$ mm	Complies
Dimensional stability due to variation of temperature	EN ISO 23999	≤ 18 %	Complies
Effect of furniture leg	EN 424	$\leq 0,25$ %	No Visible Damage

Safety properties - EN 14041

Fire resistance	EN ISO 11925-2 + EN ISO 9239-1 : Class EN 13501-1	Class	Cfl-S1
Slip Classification	EN 13893	Class	DS
Formaldehyde emission	EN 717-1	Class	E1
Content pentachlorophenol (PCP)	EN 12673	% mg/kg	Undetectable

Additional properties

Impact sound reduction	EN ISO 10140	dB (ΔL_w)	18
Walking noise	IHD-W431	dB %	Reduction improvement 18,5 dB / Difference of loudness 65%"
Thermal conductivity	EN 12667	W/(mK)	0,111
Thermal resistance	EN 12667 / ISO 1957	(m ² K)/W	0,06

ASTM Standards

Airborne sound transmission loss	ASTM E90 /ASTM E413	STC (dB)	60
Impact sound transmission	ASTM E492 /ASTM E989	IIC (dB)	65
Impact sound transmission	ASTM E2179	ΔIIC	-
Smoke density	ASTM662	KW/m ²	-
Radiant panel (critical radiant flux)	ASTM E648	(W/cm ²)	-
Thermal resistance	ASTM C177	R-value (m ² K)/W	0,0539
Thermal conductivity	ASTM C177	-value W/(m.K)	0,127
Residual indentation	ASTM F1914	%	0,9
Static load limit	ASTM F970	in or mm	0,100
Ignition characteristics of finished Textile floor covering systems	ASTM D2859	-	-

(a) Grade 5 - No change / Grade 4 - Slight change / Grade 3 - Moderate change / Grade 2 - Considerable change / Grade 1 - Strong change

(b) Group 3: Grade 4